

# 2006 Engineering Conference Breakout Sessions

## **1. Partnering with Businesses during Road Construction: Can It be Done? Yes, It Can.**

**Track:** Public Involvement

**Primary Presenters:** Evelyn Tuddenham, Utah Department of Transportation Region Two, Public Involvement Coordinator, Randi Shover, H.W. Lochner, Public Involvement Manager, Catherine Curtis, H.W. Lochner, PRA Guide Author

**Back-up Presenters:** Angela Linford, Utah Department of Transportation Region Two, Public Involvement Coordinator (if not at international conference), Kim Clark, H.W. Lochner, Public Involvement Manager, Catherine Curtis, H.W. Lochner, PRA Guide Author

**Synopsis:** Learn about the Utah Department of Transportation's new *Partners for the Road Ahead* guide and other tools to empower business stakeholders to effectively prepare for and successfully maintain their businesses through roadway construction projects. The guide is one of the first of its kind in the United States. This session will provide attendees with simple, easy-to-apply tools and ideas to empower their business constituents to deal effectively with a variety of transportation construction projects.

**Time Required: 50 minutes**

## **7. UDOT Wildlife Crossing and Fish Passage Strategies**

**Track:** Environmental

**Presenters:** Tom Twedt, Biowest, Denis Stuhff, UDOT & Shane Marshall, UDOT

**Synopsis:** The long-term challenge of allowing wildlife and fish a reasonably natural and adequate passage through highway facilities continues to gain importance as UDOT strives to accomplish its mission while protecting the natural environment and working closely with the various resource management and permitting agencies. Several new efforts of the Department in this regard will be presented.

UDOT Research has funded a study to evaluate fish passage requirements throughout the State and develop solutions to problem areas and facilities. This research project will provide UDOT with a strategy for prioritizing culverts for aquatic organism or fish passage. The study will help UDOT identify locations where special culverts are needed for aquatic life passage and provide design procedures. Several Federal and State agencies have interest in this study and are participating as technical advisors.

Similarly, the UDOT Environmental Program initiated a project to develop an overall UDOT Wildlife Crossing Strategy, as a collaborative effort with the Utah Division of Wildlife Resources (DWR) under a contract with BIO-WEST, Inc. After UDOT Management obtained a commitment of support from DWR, a team of DWR specialists was identified and the team worked together to review the problem, evaluate data availability and adequacy, and jointly develop solutions. The result is a framework for addressing wildlife crossing issues early in the planning, funding, and project development phases of the UDOT process while incorporating DWR input. Additional needs and approaches to implementation were identified and developed for inclusion into the process.

**Time Required: 50 minutes**

## **22. Concept Reports – Process and Importance**

**Track:** Design

**Presenters:** Steve Anderson and Tony Lau

**Synopsis:** UDOT has revised the concept report process specifically for CE projects. The new process is aligned with the environmental process for these projects and includes a spreadsheet for estimating purposes. This presentation will cover these changes.

**Time Required: 50 minutes**

## **27. ITS Architecture for the Dixie Metropolitan Area**

**Track:** ITS

**Presenters:** Dian Williams and Dave Lochtefeld

**Synopsis:** The Dixie Metropolitan Planning Association and UDOT have completed a Regional ITS Architecture and Deployment Plan. This session will describe the ITS services being planned for the Dixie area, the agencies' individual roles and responsibilities, and the list of planned projects.

**Time Required:** 50 minutes

## **42. Pavement Management – “Good Roads Cost Less”**

**Track:** System Planning/Programming

**Presenters:** Gary Kuhl, Austin Baysinger, Doug Anderson

**Synopsis:** An overview of UDOT Pavement Management. This session will provide information on condition modeling (dTMS CT) and where STIP projects come from, the Plan for Every Section (PFES) Database, and how different investment strategies can be evaluated to optimize the system condition. This past year UDOT worked with Deighton Associates to evaluate the effects of different preservation and rehabilitation strategies, on the network and the users, to achieve an appropriate funding balance between expansion and preservation.

**Time Required:** 50 minutes

## **45. MEPDG Direction**

**Track:** Materials

**Presenters:** Brent, Tim, Doug A., Mike D.

**Synopsis:** Where we are at and where we are going

**Time Required:** 50 minutes

## **63. QC/QA Bridge Design Process**

**Track:** Structures

**Presenters:** Boyd Wheeler, Richard Miller

**Synopsis:** This Breakout session will include a discussion of recent changes in the Bridge Design Section. It will also discuss use of contract employees and efforts to implement new standards. The current requirements for all projects for QC/QA will be discussed.

**Time Required:** 50 minutes

## **65. Being a UDOT Leader and Project Manager**

**Track:** Project Management

**Presenters:** Fred Doehring, Angelo Papastamos

**Synopsis:** The 2006 Tour De ePM was a smashing success thanks to Fred Doehring and the ePM band and now he is back and ready to kick-off the 2007 Tour De Fred at the UDOT Conference. Fred brings with him a new sidekick, the sensitive one, Angelo Papastamos in the Tour de Fred 2007. This Kick-off Session of the Tour de Fred promises to be an interactive, informative, fun workshop learning some of the tips & trades of succeeding as a Leader and a Project Manager at UDOT. The session is geared toward Project Managers, but anyone whom is interested in leadership and project management is welcome to attend. Come kick-off the Tour de Fred and be a part of the Peloton.

The three most interactive leaders of the Peloton will win free Tour de Fred t-shirts.

**Time Required:** 50 minutes